

X6B SAFETY CHECKLIST			BROOKHAVEN NATIONAL LABORATORY NATIONAL SYNCHROTRON LIGHT SOURCE
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Reviewed by: Thomas McDonald		Reviewed by:	Approved by: A. Ackerman

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- ☐ 1 Valid Padlock Index and log, no padlocks open.

CHECKPOINTS 2-13 ARE LOCATED ON THE X7 SIDE OF BEAMLINE

- ☐ 2. Exclusion Zone (EZ #1) between shield wall to Bremsstrahlung shield (BS #1), in place and secure as per photo
- ☐ 3. Bremsstrahlung shield (BS #1) in place and secure as per photo
- ☐ 4. White beam positioner wrapped in lead as per photo
- ☐ 5. Bremsstrahlung shield (BS #2) in place and secure as per photo
- ☐ 6. Primary Slits must be wrapped in lead as per photo
- ☐ 7. Monochromator wrapped in lead. Electrical feed through (EF #1) covered with lead and secured. Viewport (VP #1) covered with lead glass and secured. Located on monochromator tank as per photo
- ☐ 8. Viewport (VP #2) covered with lead and secured. Located on mirror tank.
- ☐ 9. Viewport (VP #3) covered with lead and secured. Located on mirror tank.
- ☐ 10. Phosphor Screen tank wrapped in lead as per photo
- ☐ 11. Viewport (VP #4) covered with lead glass and secured. Located on Phosphor Screen tank as per photo
- ☐ 12. Photon shutter tank buried inside lead bricks in place and secured as per photo
- ☐ 13. Bremsstrahlung shield (BS #3) in place and banded. Located downstream of Photon shutter as per photo

CHECKPOINT 14 IS LOCATED IN THE X6B HUTCH

- ☐ 14. Beam stop secured and in place inside the experimental hutch as per photo

USER INTERLOCK

- ☐ A. Vacuum gauges show acceptably low values. 11 indications, all in one short rack, behind Beamline.
- ☐ B. Three VAT valves indicate "open" and water flow interlocks indicate "satisfied". Located on X6B hutch.

Checked by: _____ Date: _____

OPCO: _____ Date: _____